BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Detailed Estimate for the Work Construction of Day-Nalm Project Ashraya Yojana Building at Defence Layout in Ward No. 05 Byatarayanapura Sub Division

							Estimate Cost Rs.		7500000.00
	Center Line:- 15.69+15.69+7.38+7.38 = 46.14								
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2016-17	Cum							
			1	18.00	10.00	0.30	54.00		
	For Connecting Road		1	150.00	6.00	0.30	270.00		
							54.00	169.56	**9156.00**
	Basic Rate	157.00							
	Area Weightage @ 8%	12.56							
	Total	**169.56**							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2016-17	Cum							
	Anganavadi Building								
	Foundation		1	46.14	0.90	0.90	37.37		
	Center Walls		2	7.15	0.90	0.90	11.58		
			2	1.80	0.90	0.90	2.92		
	Coloum C		19	2.40	2.40	2.40	262.66		
	Coloumn-C1		2	1.80	1.80	1.80	11.66		
	Soak Pit		1	3.14X2.40X2.40		3.00	13.56		
				4					
	Sump Tank		1	3.00	3.00	2.25	20.25		
							360.01		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Deduction of Columns		1X19	2.40	0.90	0.90	36.94		
							36.94		
							323.07	204.12	**65945.00**
	Basic Rate	189.00							
	Area Weightage @ 8%	15.12							
	Total	**204.12**							
3	KSRB 2.8 : Providing and filling in foundation with granite/trap broken metal 100mm, and down size, with approved sand including had packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications. Specification. No. KBS, No. 6/ Item No. 2.15/ PWD SR 2016-17	Cum							
			1	46.14	0.90	0.20	8.31		
			19	2.40	2.40	0.20	21.89		
	Sump Tank		1	3.00	3.00	0.20	1.80		
							31.99		
	Deduction of Columns		1X19	2.40	0.90	0.20	8.21		
							23.79	2283.12	**54304.00**
	Basic Rate	2114.00							
	Area Weightage @ 8%	169.12							
	Total	**2283.12**							
4	KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 7.5** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17	cum							
	Anganavadi Building								
	Walls		1	46.14	0.90	0.15	6.23		
	For Columns		19	2.40	2.40	0.15	16.42		
	For Columns C1		2	1.80	1.80	0.15	0.97		
	Center Walls		2	7.15	0.90	0.15	1.93		
			2	1.80	0.90	0.15	0.49		
	Flooring		1	15.46	7.15	0.15	16.58		
	Staircase		1	7.60	2.40	0.15	2.74		
	Sump Tank		1	1.80	2.40	0.15	0.65		
	For Connceting Raod		1	150.00	6.00	0.15	135.00		
							181.00		
	Deduction Columns		1X19	2.40	0.90	0.15	6.16		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							174.84	5256.36	**919034.00**
	Basic Rate	4867.00							
	Area Weightage @ 8%	389.36							
	Total	**5256.36**							
5	KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble **stone masonry in foundation** with mud mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page No. 25/ Item No. 5.5/ PWD SR 2016-17**	cum							
	Walls		1	46.14	0.70	0.75	24.22		
	Center Walls		2	7.15	0.70	0.75	7.51		
			2	1.80	0.70	0.75	1.89		
							33.62		
	Deduction Columns		1X19	0.23	0.60	0.75	1.97		
							31.65	4359.96	**138012.00**
	Basic Rate	4037.00							
	Area Weightage @ 8%	322.96							
	Total	**4359.96**							
6	KSRB 5.3-1 Providing and constructing granite / trap / basalt size stone masonry in basement with mud mortar, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2016-17	Cum							
	Walls		1	46.14	0.45	0.6	12.46		
	Center Walls		2	7.15	0.45	0.6	3.86		
			2	1.80	0.45	0.6	0.97		
							17.29		
	Deduction of Columns		1X6	0.23	0.23	0.60	0.19		
							17.10	5405.40	**92434.00**
	Basic Rate	5005.00							
	Area Weightage @ 8%	400.40							
	Total	**5405.40**							
7	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, No. 6/ Item No. 2.10/ PWD SR 2016-17	Cum							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			Qty Vide Item No. 2				323.07		
							323.07	137.16	**44312.00**
	Basic Rate	127.00							
	Area Weightage @ 8%	10.16							
	Total	**137.16**							
8	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum							
	Coloum's C Footing		19	2.40	2.40	0.75	82.08		
	Coloum's C1 Footing		2	1.80	1.80	0.75	4.86		
	Coloum's Pedastrail		19	0.90	0.90	0.45	6.93		
	Coloumns Up to Plinth		19	0.23	0.60	1.40	3.67		
	Coloumns C1 Up to Plinth		2	0.23	0.45	1.50	0.31		
	Plinth Beem		1	46.14	0.23	0.45	4.78		
	Center Walls		2	7.15	0.23	0.45	1.48		
			2	1.80	0.23	0.45	0.37		
	Lintel		1	46.14	0.23	0.20	2.12		
	Center Walls		2	7.15	0.23	0.2	0.66		
			2	1.80	0.23	0.2	0.17		
	Chajjas		11	2.00	0.45	0.10	0.99		
	Roof		1	15.95	7.61	0.15	18.21		
			1	3.50	2.40	0.15	1.26		
			1	4.00	2.00	0.15	1.20		
	Tie Beem		1	46.14	0.23	0.60	6.37		
	Center Walls		2	7.15	0.23	0.60	1.97		
			2	1.80	0.23	0.60	0.50		
	Beems		5	7.15	0.23	0.60	4.93		
	Sump Tank		4	3.00	0.23	2.40	6.62		
	Sump Tank Floor		1	2.70	2.70	0.15	1.09		
	Sump Tank Cover Slab		1	3.00	3.00	0.15	1.35		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Stare Case waste slab		1	3.50	1.20	0.12	0.50		
	Landing		1	5.23	1.20	0.12	0.75		
	Stepps		21x.05	1.20	0.23	0.15	0.03		
	For Water Prof Concret SurfaceRoof		1	15.95	7.61	0.075	9.10		
			1	3.50	2.40	0.075	0.63		
			1	4.00	2.00	0.075	0.60		
							163.53		
	Deduction Coloumns		1X19	0.23	0.60	0.45	1.18		
							1.18		
							162.35	6491.88	**1053983.00**
	Basic Rate	6011.00							
	Area Weightage @ 8%	480.88							
	Total	**6491.88**							
9	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17	Qntl							
	135Kg / Cum		0.135	158.15			**21.35**	65455.56	**1397529.00**
	Basic Rate	60607.00							
	Area Weightage @ 8%	4848.56							
	Total	**65455.56**							
10	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification NO. KBS 4.6.2 Page No. 15/ Item No. 4.28/ PWD SR 2016-17	Sqm							
	Futting Sides		19X2	2.40		0.75	68.40		
			19X2	2.40		0.75	68.40		
	Coloumns Pedastral		19X2	0.90		0.45	15.39		
			19X2	0.90		0.45	15.39		
							167.58	249.48	**41808.00**
	Basic Rate	231.00							
	Area Weightage @ 8%	18.48							
	Total	**249.48**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges o slabs and breaks in floor, cills, plinth including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 Page No. 16/ Item No. 4.36/ PWD SR 2016-17	Sqm							
	Tye Beem		1	46.14		0.60	27.68		
	Center Walls		2	7.15		0.60	8.58		
			2	1.80		0.60	2.16		
							38.42	732.24	**28136.00**
	Basic Rate	678.00							
	Area Weightage @ 8%	54.24							
	Total	**732.24**							
12	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.32/ PWD SR 2016-17	Sqm							
	Coloumns Up to Plinth		19x2	0.23		1.40	12.24		
			19x2	0.60		1.40	31.92		
	Coloumns C1 Up to Plinth		2X2	0.23		1.50	1.38		
			2X2	0.45		1.50	2.70		
	Coloumns Up to Beem Bottom		19x2	0.23		3.00	17.94		
			19x2	0.60		3.00	68.40		
	Coloumns C1 Up to Plinth		2X2	0.23		3.00	2.76		
			2X2	0.45		3.00	5.40		
							142.74	395.28	**56421.00**
	Basic Rate	366.00							
	Area Weightage @ 8%	29.28							
	Total	**395.28**							
13	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2016-17	Sqm							
	Lintle		1X2	46.14		0.20	18.46		
	Center Walls		2	7.15		0.20	2.86		
			2	1.80		0.20	0.72		
							22.04	276.48	**6093.00**
	Basic Rate	256.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	20.48							
	Total	**276.48**							
14	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.37/ PWD SR 2016-17	Sqm							
	Chejjas W		11	2.00		0.60	13.20		
							13.20	291.60	**3849.00**
	Basic Rate	270.00							
	Area Weightage @ 8%	21.60							
	Total	**291.60**							
15	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 24/ Item No. 5.27/ PWD SR 2016-17	Sqm							
			1	46.14		3.00	138.42		
	Parapet Wall		2	15.92		0.60	19.10		
			2	7.20		0.60	8.64		
	Center Walls		2	7.15		3.00	42.90		
			2	1.80		3.00	10.80		
	Staircase Side Walls		1	7.15		3.00	21.45		
			1	2.40		3.00	7.20		
							248.51		
	Deduction for Window		11	1.80		1.80	35.64		
	Main Door		1	1.80		2.40	4.32		
	D1		2	1.05		2.10	4.41		
	D2		2	0.75		2.10	3.15		
							47.52		
							200.99	1011.96	**203398.00**
	Basic Rate	937.00							
	Area Weightage @ 8%	74.96							
	Total	**1011.96**							
16	Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 119/ Item No. 15.1 PWD SR 2016-17**	sqm							
	Foundation		1	46.14		0.60	27.68		
							27.68	104.76	**2900.00**
	Basic Rate	97.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	7.76							
	Total	**104.76**							
17	KSRB 9-18.1: Providing and fixing in position Honne wood fully panelled shutters for windows with styles and rails of 30mm. thick, 75mm wide in two halves with panels of 20mm thick including cost of materials, labour charges, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No.9.34. Page No. 55/ Item No. 9.47/ PWD SR 2016-17	**Sqm**							
	Main Door		1	1.80	2.40		4.32		
	D1		2	1.05	2.10		4.41		
							8.73	4575.96	**39948.00**
	Basic Rate	4237.00							
	Area Weightage @ 8%	338.96							
	Total	**4575.96**							
	KSRB 9.4-1 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators, and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. KSRB 9.4-2 : -do- Honne wood frames Page No.51 / Item No. 9.11/ PWD SR 2016-17	**Cum**							
	Main Door		5	2.40	0.15	0.13	0.23		
			3	2.10	0.15	0.13	0.12		
	D1		2X2	2.10	0.15	0.13	0.16		
			2X2	1.35	0.15	0.13	0.11		
							0.62	111083.40	**68533.00**
	Basic Rate	102855.00							
	Area Weightage @ 8%	8228.40							
	Total	**111083.40**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
18	"SOLID PVC DOOR FRAMEProviding & fixing factory made PVC Door frame of size 50x47 mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2No.s of 150mm long brackets of 15x15 mm M.S. Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufactures specification & direction of Engineer-in charge Page No. 57/ Item No. 9.84/ PWD SR 2016-17	**Sqm**							
			2	0.75	2.10		3.15		
							3.15	568.08	**1789.00**
	Basic Rate	526.00							
	Area Weightage @ 8%	42.08							
	Total	**568.08**							
19	SOLID PANEL PRELAM PVC DOOR SHUTTERProviding & fixing 30mm thick factory made rigid foam prelam panelled Door Shutters made from M.S. tube of 19x19mm, 19 gauge for styles and 15x15mm for top & bottom rails, covered with heat moulded prelaminated PVC 'C' Channel of 5mm thick sheet & 30x50mm wide of form styles & 5mm thick & 75mm wide prelaminated PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, sealed to the styles &rails with PVC designer beading on either side & joined together with solvent cement adhesive etc., complete as per manufactures specification & direction of Engineer –in-charge fixed to frames with 3nos of 75mm. Aluminium hinges. With Both Side Prelam Page No. 58/ Item No. 9.85/ PWD SR 2016-17								
			2	0.75	2.10		**3.15**	4368.60	**13761.00**
	Basic Rate	4045.00							
	Area Weightage @ 8%	323.60							
	Total	**4368.60**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
20	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Page No. 110/ Item No. 15.21 PWD SR 2016-17	Sqm							
	Ceiling Plasting		1	15.45	7.15		110.47		
							110.47	208.44	**23026.00**
	Basic Rate	193.00							
	Area Weightage @ 8%	15.44							
	Total	**208.44**							
21	KSRB 15-3.7:- Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.15/ PWD SR 2016-17	Sqm							
	Inside		2X2	6.60		3.60	95.04		
			2X2	7.15		3.60	102.96		
	Toilets		2X2	1.80		3.00	21.60		
			2X2	2.40		3.00	28.80		
	Front		2X2	2.40		3.60	34.56		
			1	1.80		3.60	6.48		
							289.44		
	Deduction for Window		11	1.80		1.80	35.64		
	Main Door		1	1.80		2.40	4.32		
	D1		2	1.05		2.10	4.41		
	D2		2	0.75		2.10	3.15		
							47.52		
							241.92	263.52	**63751.00**
	Basic Rate	244.00							
	Area Weightage @ 8%	19.52							
	Total	**263.52**							
22	KSRB 15.3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 110/ Item No. 15.18 / PWD SR 2016-17	**Sqm**							
	Out Side								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	15.92		4.30	136.91		
			2	7.60		4.30	65.36		
							202.27	238.68	**48278.00**
	Basic Rate	221.00							
	Area Weightage @ 8%	17.68							
	Total	**238.68**							
23	KSRB 15.4.1 : Extra for providing and mixing water proofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufactures, for cement mortar 1:3, 12mm thick cost of materials complete as per specifications. Page No. 110/ Item No. 15.23/ PWD SR 2016-17	**Sqm**							
			Qty Vide Item No.15				**202.27**	7.56	**1529.00**
	Basic Rate	7.00							
	Area Weightage @ 8%	0.56							
	Total	**7.56**							
24	KSRB 15.7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Page No. 110/ Item No. 15.17/ PWD SR 2016-17	Sqm							
	Room		Qty Vide Item No.13+14				352.39		
							352.39	213.84	**75355.00**
	Basic Rate	198.00							
	Area Weightage @ 8%	15.84							
	Total	**213.84**							
25	KSRB 15.15.3: Providing and applying painting in one coat with plastic emulsion paint of approved brand and manufacture on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. Page No.114/ Item No. 15.52 / PWD SR 2016-17.	**Sqm**							
	Inside Paint		Qty Vide Item No.18				**352.39**	48.60	**17126.00**
	Basic Rate	45.00							
	Area Weightage @ 8%	3.60							
	Total	**48.60**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
26	Providing and fixing Ceramic tiles of size 400x400mm for flooring, threads,steps and landing,laid on a bed of 20mm thick cement morta. 1:3 mix flush pointing with white cement mixed with matching colour pigment including curing, clearing etc. complete .The Worked including curing., clearing etc., complete, The work includes cost of all materials. Labour charges for all items or work, hire charges for equipment, etc., complete as per specification. Page No. 116/ Item No. 14.63 / PWD SR 2016-17								
	Toilets		2	2.40	1.80		8.64		
							8.64	1161.00	**10031.00**
	Basic Rate	1075.00							
	Area Weightage @ 8%	86.00							
	Total	**1161.00**							
27	KSRB 14.17.2: Providing skirting, dado, rises of steps with Colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, complete as per specifications. Specification No. KBS 14.17. Page No. 103/ Item No. 14.41.1 / PWD SR 2016-17	Sqm							
	Toilets		2X2	2.40	2.10		20.16		
			2X2	1.80	2.10		15.12		
							35.28		
	Deduction Doors		2	0.75	2.10		3.15		
	Balance Qty						**32.13**	1157.76	**37199.00**
	Basic Rate	1072.00							
	Area Weightage @ 8%	85.76							
	Total	**1157.76**							
28	SKSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Page No. 114/ Item No. 15.53.2 / PWD SR 2016-17	Sqm							
	Out side		Qty Vide Item No.19				202.27		
							202.27	90.72	**18350.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	84.00							
	Area Weightage @ 8%	6.72							
	Total	**90.72**							
29	Providing and fixing Special make glazed Vitrified tiles (Granomite finis) of approved make, quality and colour of sized 6000x600x10mm thick fixed on existing flooring wit ha special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. Page No. 104/ Item No. 14.43 / PWD SR 2016-17	Sqm							
	For Flooring		1	7.15	6.60		47.19		
	Front		1	1.80	2.40		4.32		
	Skirting		4	6.60	0.15		3.96		
			4	7.15	0.15		4.29		
	Front		2	2.40	0.15		0.72		
			2	1.80	0.15		0.54		
							61.02	1285.20	**78423.00**
	Basic Rate	1190.00							
	Area Weightage @ 8%	95.20							
	Total	**1285.20**							
30	KSRB 15.17.8 : Extra over item No. 15-17.6 for applying every subsequent coat of enamel paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. **Page No.113/ Item No. 15.60.2 / PWD SR 20114-15**	Cum							
	W		11x2.5	1.80	1.80		89.10		
							89.10	51.84	**4619.00**
	Basic Rate	48.00							
	Area Weightage @ 8%	3.84							
	Total	**51.84**							
31	KSRB 7.9:Providing and fixing M.S.gill work for windows and ventilators using M.S:flats, or M.S. square rods, or combination of M.S.flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 . (Page No : 32, item No :7.9)	**Kgs**							
	Windows		11	1.80	1.80		35.64		
	Railings		1	14.00	0.90		12.60		
							48.24		
				21Kgs /Sqm			1013.04	84.24	**85338.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic rate	78.00							
	Area weightage 8%	6.24							
	Total Rate	84.24							
	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface	**Sqm**							
			11	1.80	1.80		35.64	4418.28	**157467.00**
	Basic rate	4091.00							
	Area weightage 8%	327.28							
	Total Rate	4418.28							
	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including curing etc., Page No.108/ Item No. 14.49 / PWD SR 2016-17	**Sqm**							
	Front		1	15.92	2.00		31.84		
	Stepps		21	1.20	0.23		5.80		
			21	1.20	0.15		3.78		
							41.42	3809.16	**157760.00**
	Basic rate	3527.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area weightage 8%	282.16							
	Total Rate	3809.16							
32	Providing and fixing M.S Gate as per Cheaf Architect Drawing using 50mmX50mm 14 guage M.S hollow pipe frame work bent to ornamental shape as shape as shown in the drawing and 35mmX6mm and 16X16mm squre roads for verticals alternatively spaced at 4cms c/c in two halves and 40mmX6mm M.S flats for horizontal member and at at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of of rust and painted with anti corrosive paint (shop paint) etc., complete the work includes cost of all materials, labour charges for all	**Sqm**							
			1	2.00	2.40		**4.80**	3168.72	**15210.00**
	Basic Rate	2934.00							
	Area Weightage @ 8%	234.72							
	Total	**3168.72**							
33	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2016-17	Cum							
	Connecting Roads		1	150.00	6.00	0.10	90.00		
							90.00	6231.74	**560857.00**
	Basic Rate	5879.00							
	Area Weightage @ 6%	352.74							
	Total	**6231.74**							
34	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2016-17	Sqm							
	Connecting road		1	150.00	6.00		900.00		
							900.00	95.40	**85860.00**
	Basic Rate	90.00							
	Area Weightage @ 6%	5.40							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**95.40**							
35	Providing groove cutting for Concrete pavement width of 5mm to 10mm and depth 80mm- 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.(Page No 178., I.No.22.8.1 of PWD S.R 2016-17).	**Rmtr**							
	Connecting road		50	6.00			300.00		
							300.00	121.90	**36570.00**
	Basic Rate	115.00							
	Area Weightage @ 6%	6.90							
	Total	**121.90**							
36	5.29(b) Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. Page No. 25/ Item No. 5.30/ PWD SR 2016-17	Sqm							
	For Connecting Raod		2	150.00			300.00		
					l e 600/0.45		666.67		
							666.67	331.78	**221187.00**
	Basic Rate	313.00							
	Area Weightage @ 6%	18.78							
	Total	**331.78**							
37	KSRB 15-17.5: Applying **priming coat** over new wood surface and / or wood based surface preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. Page No. 118/ Item No. 15.59 / PWD SR 2016-17	**Sqm**							
	Kerb Stone Painting		2	150.00		0.30	**90.00**		
							90.00	**43.46**	**3911.00**
	Basic Rate	41.00							
	Area Weightage @ 6%	2.46							
	Total	**43.46**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
38	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with **enamel paint** to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.Page No. 119/ Item No. 15.60.1 / PWD SR 2016-17								
			2	150.00		0.30	90.00		
							90.00	**89.04**	**8014.00**
	Basic Rate	84.00							
	Area Weightage @ 6%	5.04							
	Total	**89.04**							
39	KSRB 7.15 : Providing, fabricating, assembling and fixing in position anodized aluminium partitions using aluminium sections of mat finish or glassy finish in combination of plain grove, single grove and double grove as per requirements for the frames of overall size 63.5mm x 38.1mm. with thickness of 2mm. having section weight, plain sections 1.05kg/m, single grove thickness 1.95mm. section weight 1.094kg/m, double grove thickness 1.9mm section weight 1.094kg/m and bottom member 114.3mm. x 44.45mm. thickness 3.18mm. weight 2.646 kg/m aluminium louvers section of size 36.5mm x 34.93mm 1.45mm. thick section weight 0.426kg/m; bottom portions provided with 12mm. thick pre-laminated sheet both sides of approved colour lamination exterior grade upto 0.9m height, spacing of vertical member not exceeding 0.6 m c to c; sections are cut to the required lengths, joints mitered and corners grinded subdividing frames tennoned and riveted to the frames; the assembled frame stiffened with corner	**Sqm**							
			1	55.00		2.10	115.50		
	Basic Rate	3486.00					115.50	3695.16	**426791.00**
	Area Weightage @ 6%	209.16							
	Total	**3695.16**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 13-8.1: Providing and fixing to wall, ceiling and floor, low-density polyethylene pipes 6.00KGf/sq.cm. working pressure 20mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling an floor including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No. 13.2.15.1 / 13.9 Page No. 100/ Item No. 13.70.4 / PWD SR 2016-17	Mrts							
			1	150			**150.00**	377.36	**56604.00**
	Basic Rate	356.00							
	Area Weightage @ 6%	21.36							
	Total	**377.36**							
40	KSRB 13.11.1: Providing and placing on terrace. Polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification NO. KBS 13.22 Page No. 102/ Item No. 13.78 / PWD SR 2016-17	No.							
			2				**2.00**	9144.36	**18289.00**
	Basic Rate	8467.00							
	Area Weightage @ 8%	677.36							
	Total	**9144.36**							
41	Providing and fixing chlorinated poly veny chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing, this including jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases & making good the same including testing of joints complete.(concealed work including cutting chases and good the walls etc,),15mm nominal OD pipes Page No. 92/ Item No. 13.83.1/ PWD SR 2016-17	m							
			1	135.00			135.00		
							135.00	270.00	**36450.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	250.00							
	Area Weightage @ 8%	20.00							
	Total	**270.00**							
42	KSRB 11-2 : Providing and fixing white vitreous china clay, water closets Orissa pattern of size 580 x 440mm with integral type footrests, 100m S or P trap, 10 litre low level, P. V. C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.Specification No. KBS Page No. 78/ Item No. 12.2 PWD SR 2016-17	Unit							
			2				**2.00**	4682.88	**9366.00**
	Basic Rate	4336.00							
	Area Weightage @ 8%	346.88							
	Total	**4682.88**							
43	Providing and fixing CI Nahani Trap of approved make conforming to ISI specifications and construction of cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot).10 cms x 7.5cms, Page No.91/ Item No. 12.113.1 PWD SR 2016-17	Each							
			2				**2.00**	270.00	**540.00**
	Basic Rate	250.00							
	Area Weightage @ 8%	20.00							
	Total	**270.00**							
44	KSRB 13-6.1.2: Providing and fixing in position brass bib cock of approved quality 20mm, nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification NO. KBS 13.2.2 / 13.3Page No. 95/ Item No. 13.24 / PWD SR 2016-17	Each							
			15				**15.00**	262.44	**3937.00**
	Basic Rate	243.00							
	Area Weightage @ 8%	19.44							
	Total	**262.44**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
45	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete	Cum							
			1	100.00	0.45	0.75	33.75		
							33.75	200.34	**6761.00**
	Basic Rate	189.00							
	6% area weightage	11.34							
	Total	**200.34**							
46	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 94, I.NO - 13.73.2, PWD SR 16-17)	Mtr							
	75 mm dia 6 KSC PVC pipe								
			1	100.00			100.00		
							100.00	368.88	**36888.00**
	Basic Rate	348.00							
	6% area weightage	20.88							
	Total	**368.88**							
47	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 6, I.NO - 2.11, PWD SR 16-17)	Cum							
			Qty. Vide Item No.				**33.75**	80.56	**2719.00**
	Basic Rate	76.00							
	6% area weightage	4.56							
	Total	**80.56**							
48	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **50mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification	Each							
			2				**2**	2175.12	**4350.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	2052.00							
	Area Weightage @ 6%	123.12							
	Total	**2175.12**							
49	Electrical Charges	**L/S**	1	200000			200000.00		**200000.00**
							Grand Total		**6753901.00**
50	For 10% KRIDL Charges								**675390.00**
51	For 1% Labour Cess								**67539.00**
52	Miscesallaneous Charges	L/S							**3170.00**
								Total	**7500000.00**

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17
3 This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
15/10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
ಬ.ಬ.ಮ.ಪ., ಬೆಂಗಳೂರು-24

ADMINISTRATIVE APPROVAL
Accorded For Rs. Seventy Five lakhs only
Head of A/c. P-2583
Div. Ref. No. 34/18-19 Date. 15/10/18
AE 15/10
EE(BTP) 15/10

Technical Sanction
Accorded For RS 75.00 lakhs only
Head of A/C. P-1575
CER NO: TS/17/15-19 DT: 15.10.2018
TA
CE (YNK)